

0289

#2

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/015,536

DATE: 01/10/2002

TIME: 14:48:56

Input Set : A:\103-00.app

Output Set: N:\CRF3\01102002\J015536.raw

ENTERED

3 <110> APPLICANT: Kranz, David M.
 4 Starwalt, Scott
 5 Bluestone, Jeffrey A.
 7 <120> TITLE OF INVENTION: Mutated Class II Major Histocompatibility Proteins
 9 <130> FILE REFERENCE: 103-00
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/015,536
 12 <141> CURRENT FILING DATE: 2001-12-10
 14 <150> PRIOR APPLICATION NUMBER: 60/254,248
 15 <151> PRIOR FILING DATE: 2000-12-08
 17 <160> NUMBER OF SEQ ID NOS: 28
 19 <170> SOFTWARE: PatentIn Ver. 2.0
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 23 <212> TYPE: DNA
 24 <213> ORGANISM: Artificial Sequence
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 38 <220> FEATURE:
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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/015,536

DATE: 01/10/2002
 TIME: 14:48:56

Input Set : A:\103-00.app
 Output Set: N:\CRF3\01102002\J015536.raw

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159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
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165 <220> FEATURE:
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168 <223> OTHER INFORMATION: N is A, T, G or C and S is C or G.
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178 <220> FEATURE:
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221 aacgggacgc agcgcatacg gctcgtgacc agatacatct acaaccggga ggagtacctg 180
222 cgcttcgaca gcgacgtggg cgagtaccgc gcggtgaccg agctggggcg gcactcagcc 240
223 gagtactaca ataagcagta cctggagcga acgcgggccc agctggacac ggcgtgcaga 300
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225 gccatctccc tgtccaggac agaggccctc aaccaccaca acactctggt ctgttcgggtg 420
226 acagatttct acccagccaa gatcaaagtg cgctggttca ggaatggcca ggaggagaag 480
227 tgggggtctc atccacacag cttattagga atggggactg gaccttcag gtcctggtca 540
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230 acgacattga ggccgaccac gtaggcttct atgtacaact gtttatcagt ctcttgaga 720
231 cattggccag tacacacatg aatttgatgg tgatgagttg ttctatgtgg acttgataa 780
232 gaagaaaact gtctggaggc ttctgagtt tggccaattg atactctttg agccccaagg 840
233 tggactgcaa aacatagctg cagaaaaaca caacttgga atcttgacta agaggtcaaa 900
234 ttccacccca gctaccaatg aggtcctca agcgactgtg ttccccaagt cccctgtgct 960
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237 cgtcaaccgt gaccattcct tccacaagct gtcttatctc accttcattc cttctgatga 1140
238 tgacatttat gactgcaagg tggagcactg gggcctggag gagccggttc tgaacactg 1200
239 ggaacaaaag cttatttctg aagaagactt gtgataaaga tct
241 <210> SEQ ID NO: 17
242 <211> LENGTH: 411
243 <212> TYPE: PRT
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248     peptide
250 <400> SEQUENCE: 17
251 Ala Ser Gly Gly Leu Lys Gly Gly Gly Ser Leu Val Pro Arg Gly
252 1 5 10 15
254 Ser Gly Gly Gly Gly Ser Gly Asp Ser Glu Arg His Phe Val His Gln
255 20 25 30

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257 Phe Lys Gly Glu Cys Tyr Phe Thr Asn Gly Thr Gln Arg Ile Arg Leu
258          35          40          45
260 Val Thr Arg Tyr Ile Tyr Asn Arg Glu Glu Tyr Leu Arg Phe Asp Ser
261          50          55          60
263 Asp Val Gly Glu Tyr Arg Ala Val Thr Glu Leu Gly Arg His Ser Ala
264 65          70          75          80
266 Glu Tyr Tyr Asn Lys Gln Tyr Leu Glu Arg Thr Arg Ala Glu Leu Asp
267          85          90          95
269 Thr Ala Cys Arg His Asn Tyr Glu Glu Thr Glu Val Pro Thr Ser Leu
270          100          105          110
272 Arg Arg Leu Glu Gln Pro Asn Val Ala Ile Ser Leu Ser Arg Thr Glu
273          115          120          125
275 Ala Leu Asn His His Asn Thr Leu Val Cys Ser Val Thr Asp Phe Tyr
276 130          135          140
278 Pro Ala Lys Ile Lys Val Arg Trp Phe Arg Asn Gly Gln Glu Glu Thr
279 145          150          155          160
281 Val Gly Val Ser Ser Thr Gln Leu Ile Arg Asn Gly Asp Trp Thr Phe
282          165          170          175
284 Gln Val Leu Val Met Leu Glu Met Thr Pro His Gln Gly Glu Val Tyr
285          180          185          190
287 Thr Cys His Val Glu His Pro Ser Leu Lys Ser Pro Ile Thr Val Glu
288          195          200          205
290 Trp Arg Gly Gly Gly Gly Ser Gly Gly Gly Gly Glu Asp Asp Ile Glu
291          210          215          220
293 Ala Asp His Val Gly Phe Tyr Gly Thr Thr Val Tyr Gln Ser Pro Gly
294 225          230          235          240
296 Asp Ile Gly Gln Tyr Thr His Glu Phe Asp Gly Asp Glu Leu Phe Tyr
297          245          250          255
299 Val Asp Leu Asp Lys Lys Lys Thr Val Trp Arg Leu Pro Glu Phe Gly
300          260          265          270
302 Gln Leu Ile Leu Phe Glu Pro Gln Gly Gly Leu Gln Asn Ile Ala Ala
303          275          280          285
305 Glu Lys His Asn Leu Gly Ile Leu Thr Lys Arg Ser Asn Phe Thr Pro
306          290          295          300
308 Ala Thr Asn Glu Ala Pro Gln Ala Thr Val Phe Pro Lys Ser Pro Val
309 305          310          315          320
311 Leu Leu Gly Gln Pro Asn Thr Leu Ile Cys Phe Val Asp Asn Ile Phe
312          325          330          335
314 Pro Pro Val Ile Asn Ile Thr Trp Leu Arg Asn Ser Lys Ser Val Thr
315          340          345          350
317 Asp Gly Val Tyr Glu Thr Ser Phe Leu Val Asn Arg Asp His Ser Phe
318          355          360          365
320 His Lys Leu Ser Tyr Leu Thr Phe Ile Pro Ser Asp Asp Asp Ile Tyr
321          370          375          380
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327          405          410
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/015,536

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12